

STIC-Biotech/ChemLib

62657

From: Brannock, Michael  
Sent: Monday, March 18, 2002 5:27 PM  
To: STIC-Biotech/ChemLib  
Subject: 09990046

Please provide and oligo search of SEQ ID NO: 2 against commercial and interference sequence databases

Thank you

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(703) 306-5876  
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TYPE OF SEARCH:

Searcher: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: \_\_\_\_\_  
Date Completed: 3/22/02  
Searcher Prep/Review: \_\_\_\_\_  
Clerical: \_\_\_\_\_  
Online time: \_\_\_\_\_

NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: \_\_\_\_\_  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST(where applic.)

STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_



Gene Name: *Scaphiopus* 4.5  
 Species: *Scaphiopus* 4.5  
 Component: *Scaphiopus* 4.5

March 21, 2002, 10:01:45 Search Time: 40.47 seconds  
 (without alignments)  
 4294 987 M11 on coll. updates/sec

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 Sequence: *Scaphiopus* 4.5

Search Table: *Scaphiopus* 4.5

Search Mode: *Scaphiopus* 4.5

Word Size: *Scaphiopus* 4.5

Total number of hits: *Scaphiopus* 4.5

Maximum hit size: *Scaphiopus* 4.5  
 Maximum hit size: *Scaphiopus* 4.5

Post-Processing: *Scaphiopus* 4.5

Database: *Scaphiopus* 4.5  
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 Sequence: *Scaphiopus* 4.5  
 Search Table: *Scaphiopus* 4.5  
 Search Mode: *Scaphiopus* 4.5  
 Word Size: *Scaphiopus* 4.5  
 Total number of hits: *Scaphiopus* 4.5  
 Maximum hit size: *Scaphiopus* 4.5  
 Maximum hit size: *Scaphiopus* 4.5  
 Post-Processing: *Scaphiopus* 4.5

Prod. No. 15: The number of results predicted by chance to have a score greater than or equal to the best score of the total score distribution.

# STANDARD

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7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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15	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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22	8	0.7	2.13	3	0.00000	0.00000	0.00000	0.00000
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[illegible][illegible]



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[illegible][illegible]



















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101  F104; A01404; BIR33; -
102  DDBJ: D02762; B1109; -
103  GenBank: U0600187; CREF; -
104  GenBank: U06004620; Urocorin CREF; -
105  GenBank: U0600473; CREF; 1; -
106  GenBank: U06005970; Urocorin_CREF; 1; -
107  GenBank: U06005970; Urocorin_CREF; 1; -
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Best Local Similarity: 0.78; Score 81; Length 191;
Matches: 82; Unscored Eve: 0; Mismatches: 0; Indels: 0; Gaps: 0;
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101  F104; A01404; BIR33; -
102  DDBJ: D02762; B1109; -
103  GenBank: U0600187; CREF; -
104  GenBank: U06004620; Urocorin CREF; -
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100  EMBL: X15159; CAA75124.1; -
101  F104; A01404; BIR33; -
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Matches: 82; Unscored Eve: 0; Mismatches: 0; Indels: 0; Gaps: 0;
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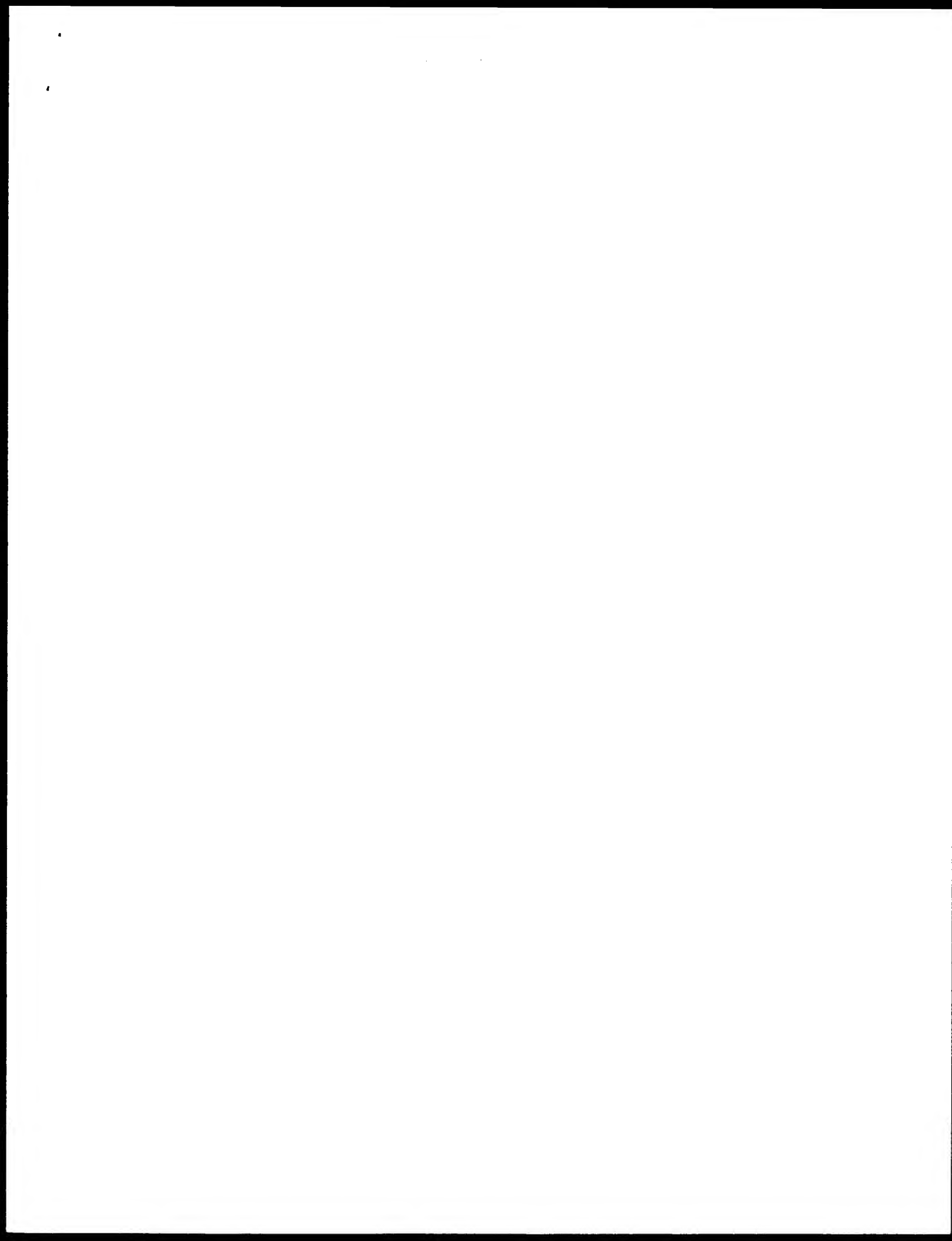
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100  EMBL: X15159; CAA75124.1; -
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103  GenBank: U0600187; CREF; -
104  GenBank: U06004620; Urocorin CREF; -
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120  GenBank: U06005970; Urocorin_CREF; 1; -

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### Definition 4.5

[illegible][illegible][illegible]

$\frac{1}{2} \int_{\mathbb{R}^n} |\nabla u|^2 dx = \frac{1}{2} \int_{\mathbb{R}^n} |\nabla v|^2 dx + \frac{1}{2} \int_{\mathbb{R}^n} |\nabla w|^2 dx$

$f_1$   
 $f_2$   
 $f_3$   
 $f_4$   
 $f_5$   
 $f_6$   
 $f_7$   
 $f_8$   
 $f_9$   
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 $f_{98}$   
 $f_{99}$   
 $f_{100}$

—

[illegible][illegible]

Figure 1: Schematic representation of the experimental design. The figure is divided into two main parts, A and B. Part A shows a sequence of steps: 'Preparation of the initial state', 'Preparation of the final state', 'Measurement of the initial state', 'Measurement of the final state', and 'Measurement of the intermediate state'. Part B shows a sequence of steps: 'Preparation of the initial state', 'Preparation of the final state', 'Measurement of the initial state', 'Measurement of the final state', and 'Measurement of the intermediate state'. The steps are connected by arrows indicating the flow of the experiment.

[illegible][illegible]

tion, No. 15, the number 1 results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

51111MAY 11 1955

Accession No.	Source	Year	Match	Length (aa)	ID	Description
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2	20	1-2	14280	118291	acid protein -	
3	10	1-2	14304	140372	transmembrane prot	
4	15	1-2	11442	118338	acidic protein	
5	11	0-9	114	116126	hypothetical prot	
6	11	0-9	114	117069	hypothetical prot	
7	10	1-2	11881	1081808	probable membrane	
8	10	1-2	12061	1081808	probable membrane	
9	10	1-2	76	118179	hypothetical prot	
10	10	0-7	59	118179	probable intern	
11	10	0-7	59	1081808	probable intern	
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13	10	0-7	11	118179	hypothetical prot	
14	10	0-7	24	114156	acidic protein p	
15	10	0-7	202	788412	probable protein	
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42	8	0.7	845	2	380551	penicillin binding
43	8	0.7	844	2	116198	hypothetical protein
44	8	0.7	848	4	A14182	retrovirus related
45	8	0.7	896	1	GNL130	pol polyprotein -
46	8	0.7	896	1	281428	pol polyprotein -
47	8	0.7	921	2	AB0694	isodanyl tRNA synthetase
48	8	0.7	942	1	S51442	protein tyrosine P
49	8	0.7	944	2	125601	hypothetical protein
50	8	0.7	964	2	130455	hypothetical protein
51	8	0.7	979	1	362484	protein tyrosine P
52	8	0.7	980	2	BB4632	protein tyrosine P
53	8	0.7	996	2	148721	hypothetical protein
54	8	0.7	1470	2	119188	hypothetical protein
55	8	0.7	1407	2	128702	probable polyketide

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

[illegible]













Sequence position 13

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both out: Match: 2002-09-09 10:01:43 Search Time: 24.56 seconds  
(without alignment)

131111

Product score

1 Most similar sequence: ..... and analysis: us-09-990-046-2

Sequence label

us-09-990-046-2

Score (bits)

us-09-990-046-2

Word score

Match number of hits satisfying the seq parameters

Match number of hits satisfying the seq parameters

Maximum hits seq length: 20000000

Post processing: list first 1000 hits

Parameter

Parameter: AA=us-09-990-046-2  
1. us-09-990-046-2  
2. us-09-990-046-2  
3. us-09-990-046-2  
4. us-09-990-046-2  
5. us-09-990-046-2  
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8. us-09-990-046-2  
9. us-09-990-046-2  
10. us-09-990-046-2

Prod. No. is the number of results predicted by chain to have a score greater than or equal to the score of the result being printed, and is sorted by analysis of the total score distribution.

# SUMMARY

Result	Score	Length	Label	Sequence
1	1203	100	us-09-990-046-2	Sequence 2, Appl
2	1199	100	us-09-990-046-2	Sequence 7, Appl
3	1197	100	us-09-990-046-2	Sequence 10, Appl
4	1195	100	us-09-990-046-2	Sequence 19, Appl
5	1193	100	us-09-990-046-2	Sequence 5, Appl
6	1191	100	us-09-990-046-2	Sequence 11, Appl
7	1189	100	us-09-990-046-2	Sequence 4, Appl
8	1187	100	us-09-990-046-2	Sequence 1, Appl
9	1185	100	us-09-990-046-2	Sequence 12, Appl
10	1183	100	us-09-990-046-2	Sequence 13, Appl
11	1181	100	us-09-990-046-2	Sequence 14, Appl
12	1179	100	us-09-990-046-2	Sequence 15, Appl
13	1177	100	us-09-990-046-2	Sequence 16, Appl
14	1175	100	us-09-990-046-2	Sequence 17, Appl
15	1173	100	us-09-990-046-2	Sequence 18, Appl
16	1171	100	us-09-990-046-2	Sequence 19, Appl
17	1169	100	us-09-990-046-2	Sequence 20, Appl
18	1167	100	us-09-990-046-2	Sequence 21, Appl
19	1165	100	us-09-990-046-2	Sequence 22, Appl
20	1163	100	us-09-990-046-2	Sequence 23, Appl
21	1161	100	us-09-990-046-2	Sequence 24, Appl
22	1159	100	us-09-990-046-2	Sequence 25, Appl
23	1157	100	us-09-990-046-2	Sequence 26, Appl
24	1155	100	us-09-990-046-2	Sequence 27, Appl
25	1153	100	us-09-990-046-2	Sequence 28, Appl

Result	Score	Length	Label	Sequence
1	1203	100	us-09-990-046-2	Sequence 2, Appl
2	1199	100	us-09-990-046-2	Sequence 7, Appl
3	1197	100	us-09-990-046-2	Sequence 10, Appl
4	1195	100	us-09-990-046-2	Sequence 19, Appl
5	1193	100	us-09-990-046-2	Sequence 5, Appl
6	1191	100	us-09-990-046-2	Sequence 11, Appl
7	1189	100	us-09-990-046-2	Sequence 4, Appl
8	1187	100	us-09-990-046-2	Sequence 1, Appl
9	1185	100	us-09-990-046-2	Sequence 12, Appl
10	1183	100	us-09-990-046-2	Sequence 13, Appl
11	1181	100	us-09-990-046-2	Sequence 14, Appl
12	1179	100	us-09-990-046-2	Sequence 15, Appl
13	1177	100	us-09-990-046-2	Sequence 16, Appl
14	1175	100	us-09-990-046-2	Sequence 17, Appl
15	1173	100	us-09-990-046-2	Sequence 18, Appl
16	1171	100	us-09-990-046-2	Sequence 19, Appl
17	1169	100	us-09-990-046-2	Sequence 20, Appl
18	1167	100	us-09-990-046-2	Sequence 21, Appl
19	1165	100	us-09-990-046-2	Sequence 22, Appl
20	1163	100	us-09-990-046-2	Sequence 23, Appl
21	1161	100	us-09-990-046-2	Sequence 24, Appl
22	1159	100	us-09-990-046-2	Sequence 25, Appl
23	1157	100	us-09-990-046-2	Sequence 26, Appl
24	1155	100	us-09-990-046-2	Sequence 27, Appl
25	1153	100	us-09-990-046-2	Sequence 28, Appl

## ALIGNMENTS

Query Match	Score	Length	Label	Sequence
1	1203	100	us-09-990-046-2	Sequence 2, Appl
2	1199	100	us-09-990-046-2	Sequence 7, Appl
3	1197	100	us-09-990-046-2	Sequence 10, Appl
4	1195	100	us-09-990-046-2	Sequence 19, Appl
5	1193	100	us-09-990-046-2	Sequence 5, Appl
6	1191	100	us-09-990-046-2	Sequence 11, Appl
7	1189	100	us-09-990-046-2	Sequence 4, Appl
8	1187	100	us-09-990-046-2	Sequence 1, Appl
9	1185	100	us-09-990-046-2	Sequence 12, Appl
10	1183	100	us-09-990-046-2	Sequence 13, Appl
11	1181	100	us-09-990-046-2	Sequence 14, Appl
12	1179	100	us-09-990-046-2	Sequence 15, Appl
13	1177	100	us-09-990-046-2	Sequence 16, Appl
14	1175	100	us-09-990-046-2	Sequence 17, Appl
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19	1165	100	us-09-990-046-2	Sequence 22, Appl
20	1163	100	us-09-990-046-2	Sequence 23, Appl
21	1161	100	us-09-990-046-2	Sequence 24, Appl
22	1159	100	us-09-990-046-2	Sequence 25, Appl
23	1157	100	us-09-990-046-2	Sequence 26, Appl
24	1155	100	us-09-990-046-2	Sequence 27, Appl
25	1153	100	us-09-990-046-2	Sequence 28, Appl





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 100. MIDDLE EASTERN

```

1  NAME: ROBERT L. BELLAM
2  RESIDENCE: NORTH, 20015
3  BIRTHDAY: 07-07-1947 BIRTH: 06-01-1947
4  IDENTIFICATION INFORMATION:
5  BIRTHNO: 415,781,1989
6  FIDELITY: 115,898,647
7  IDENTIFICATION NO: 8
8  STUDENT CHARACTERISTICS:
9  LENGTH: 115,898,647
10  TYPE: 00000000
11  STRANGLERS: STUDENT
12  FIDELITY: 11000
13  BIRTHDAY: 07-07-1947
14  STUDENT IDENTIFICATION NO: 8
15  STUDENT IDENTIFICATION NO: 8
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```



1 NAME: N  
 2 SEX: M  
 3 BIRTH DATE: 1971-11-20  
 4 BIRTH PLACE: BOSTON, MA  
 5 FATHER: N  
 6 MOTHER: N  
 7 SIBLINGS: N  
 8 ADOPTED: N  
 9 ADOPTED DATE: N  
 10 ADOPTED PLACE: N  
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Search completed: March 20, 2002, 08:42:27  
 Job Time: 241 sec







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2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

# RESULTS

2007 Mar 21 10:01:42 2002  
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 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
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2007 Mar 21 10:01:42 2002  
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2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)

2007 Mar 21 10:01:42 2002  
 Host Local Simulation: 100.0% (Prod. No. 1.0e-06)  
 Matches: 94.0 (Conservative) 0.0 (Mismatch) 0.0 (Indels) 0.0 (Gaps)







with the following conditions:

$$\begin{aligned} \mathbb{M}^{\text{pre}}(\mathcal{C}) &= \{ \langle \mathcal{C}, \mathcal{C} \rangle \} \\ \mathbb{M}^{\text{pre}}(\mathcal{C}) &= \{ \langle \mathcal{C}, \mathcal{C} \rangle \} \\ \mathbb{M}^{\text{pre}}(\mathcal{C}) &= \{ \langle \mathcal{C}, \mathcal{C} \rangle \} \end{aligned}$$

1.  $\frac{1}{x^2} = x^{-2}$   
 2.  $\frac{d}{dx} x^{-2} = -2x^{-3}$   
 3.  $= -2x^{-3}$   
 4.  $= -\frac{2}{x^3}$   
 5.  $= -\frac{2}{x^3}$

1.  $\frac{1}{x^2} = x^{-2}$   
 $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$

2.  $\frac{1}{x^3} = x^{-3}$   
 $\frac{d}{dx} x^{-3} = -3x^{-4} = -\frac{3}{x^4}$

3.  $\frac{1}{x^4} = x^{-4}$   
 $\frac{d}{dx} x^{-4} = -4x^{-5} = -\frac{4}{x^5}$

4.  $\frac{1}{x^5} = x^{-5}$   
 $\frac{d}{dx} x^{-5} = -5x^{-6} = -\frac{5}{x^6}$

5.  $\frac{1}{x^6} = x^{-6}$   
 $\frac{d}{dx} x^{-6} = -6x^{-7} = -\frac{6}{x^7}$

6.  $\frac{1}{x^7} = x^{-7}$   
 $\frac{d}{dx} x^{-7} = -7x^{-8} = -\frac{7}{x^8}$

7.  $\frac{1}{x^8} = x^{-8}$   
 $\frac{d}{dx} x^{-8} = -8x^{-9} = -\frac{8}{x^9}$

8.  $\frac{1}{x^9} = x^{-9}$   
 $\frac{d}{dx} x^{-9} = -9x^{-10} = -\frac{9}{x^{10}}$

9.  $\frac{1}{x^{10}} = x^{-10}$   
 $\frac{d}{dx} x^{-10} = -10x^{-11} = -\frac{10}{x^{11}}$

10.  $\frac{1}{x^{11}} = x^{-11}$   
 $\frac{d}{dx} x^{-11} = -11x^{-12} = -\frac{11}{x^{12}}$

11.  $\frac{1}{x^{12}} = x^{-12}$   
 $\frac{d}{dx} x^{-12} = -12x^{-13} = -\frac{12}{x^{13}}$

12.  $\frac{1}{x^{13}} = x^{-13}$   
 $\frac{d}{dx} x^{-13} = -13x^{-14} = -\frac{13}{x^{14}}$

13.  $\frac{1}{x^{14}} = x^{-14}$   
 $\frac{d}{dx} x^{-14} = -14x^{-15} = -\frac{14}{x^{15}}$

14.  $\frac{1}{x^{15}} = x^{-15}$   
 $\frac{d}{dx} x^{-15} = -15x^{-16} = -\frac{15}{x^{16}}$

15.  $\frac{1}{x^{16}} = x^{-16}$   
 $\frac{d}{dx} x^{-16} = -16x^{-17} = -\frac{16}{x^{17}}$

16.  $\frac{1}{x^{17}} = x^{-17}$   
 $\frac{d}{dx} x^{-17} = -17x^{-18} = -\frac{17}{x^{18}}$

17.  $\frac{1}{x^{18}} = x^{-18}$   
 $\frac{d}{dx} x^{-18} = -18x^{-19} = -\frac{18}{x^{19}}$

18.  $\frac{1}{x^{19}} = x^{-19}$   
 $\frac{d}{dx} x^{-19} = -19x^{-20} = -\frac{19}{x^{20}}$

19.  $\frac{1}{x^{20}} = x^{-20}$   
 $\frac{d}{dx} x^{-20} = -20x^{-21} = -\frac{20}{x^{21}}$

20.  $\frac{1}{x^{21}} = x^{-21}$   
 $\frac{d}{dx} x^{-21} = -21x^{-22} = -\frac{21}{x^{22}}$

21.  $\frac{1}{x^{22}} = x^{-22}$   
 $\frac{d}{dx} x^{-22} = -22x^{-23} = -\frac{22}{x^{23}}$

22.  $\frac{1}{x^{23}} = x^{-23}$   
 $\frac{d}{dx} x^{-23} = -23x^{-24} = -\frac{23}{x^{24}}$

23.  $\frac{1}{x^{24}} = x^{-24}$   
 $\frac{d}{dx} x^{-24} = -24x^{-25} = -\frac{24}{x^{25}}$

24.  $\frac{1}{x^{25}} = x^{-25}$   
 $\frac{d}{dx} x^{-25} = -25x^{-26} = -\frac{25}{x^{26}}$

25.  $\frac{1}{x^{26}} = x^{-26}$   
 $\frac{d}{dx} x^{-26} = -26x^{-27} = -\frac{26}{x^{27}}$

26.  $\frac{1}{x^{27}} = x^{-27}$   
 $\frac{d}{dx} x^{-27} = -27x^{-28} = -\frac{27}{x^{28}}$

27.  $\frac{1}{x^{28}} = x^{-28}$   
 $\frac{d}{dx} x^{-28} = -28x^{-29} = -\frac{28}{x^{29}}$

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34.  $\frac{1}{x^{35}} = x^{-35}$   
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35.  $\frac{1}{x^{36}} = x^{-36}$   
 $\frac{d}{dx} x^{-36} = -36x^{-37} = -\frac{36}{x^{37}}$

36.  $\frac{1}{x^{37}} = x^{-37}$   
 $\frac{d}{dx} x^{-37} = -37x^{-38} = -\frac{37}{x^{38}}$

37.  $\frac{1}{x^{38}} = x^{-38}$   
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38.  $\frac{1}{x^{39}} = x^{-39}$   
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39.  $\frac{1}{x^{40}} = x^{-40}$   
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41.  $\frac{1}{x^{42}} = x^{-42}$   
 $\frac{d}{dx} x^{-42} = -42x^{-43} = -\frac{42}{x^{43}}$

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44.  $\frac{1}{x^{45}} = x^{-45}$   
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45.  $\frac{1}{x^{46}} = x^{-46}$   
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48.  $\frac{1}{x^{49}} = x^{-49}$   
 $\frac{d}{dx} x^{-49} = -49x^{-50} = -\frac{49}{x^{50}}$

49.  $\frac{1}{x^{50}} = x^{-50}$   
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50.  $\frac{1}{x^{51}} = x^{-51}$   
 $\frac{d}{dx} x^{-51} = -51x^{-52} = -\frac{51}{x^{52}}$

51.  $\frac{1}{x^{52}} = x^{-52}$   
 $\frac{d}{dx} x^{-52} = -52x^{-53} = -\frac{52}{x^{53}}$

52.  $\frac{1}{x^{53}} = x^{-53}$   
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53.  $\frac{1}{x^{54}} = x^{-54}$   
 $\frac{d}{dx} x^{-54} = -54x^{-55} = -\frac{54}{x^{55}}$

54.  $\frac{1}{x^{55}} = x^{-55}$   
 $\frac{d}{dx} x^{-55} = -55x^{-56} = -\frac{55}{x^{56}}$

55.  $\frac{1}{x^{56}} = x^{-56}$   
 $\frac{d}{dx} x^{-56} = -56x^{-57} = -\frac{56}{x^{57}}$

56.  $\frac{1}{x^{57}} = x^{-57}$   
 $\frac{d}{dx} x^{-57} = -57x^{-58} = -\frac{57}{x^{58}}$

57.  $\frac{1}{$

$\frac{f_1}{f_2} = \frac{f_3}{f_4}$

[illegible]

Maximum PB seq length: 2000000000

1. *Introduction*  
 2. *Background*  
 3. *Methodology*  
 4. *Results*  
 5. *Conclusion*  
 6. *References*  
 7. *Appendix*  
 8. *Index*  
 9. *Table of Contents*  
 10. *Figure 1*  
 11. *Figure 2*  
 12. *Figure 3*  
 13. *Figure 4*  
 14. *Figure 5*  
 15. *Figure 6*  
 16. *Figure 7*  
 17. *Figure 8*  
 18. *Figure 9*  
 19. *Figure 10*  
 20. *Figure 11*  
 21. *Figure 12*  
 22. *Figure 13*  
 23. *Figure 14*  
 24. *Figure 15*  
 25. *Figure 16*  
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 217. *Figure 208*

[illegible]

total. Note that the number of results predicted by chance is large and close to greater than is expected in the scenario of the result being predicted and is affected by the number of the total scores distribution.

5. **FINANCIAL**

# Literature

[illegible]

1. *Staphylococcus aureus*

## Summary

$$f_{\text{max}} = \frac{1}{2\pi} \sqrt{\frac{1}{L C_{\text{eff}}}}$$

100

[illegible]

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

**Figure 1**

[illegible][illegible]

A1.1 (NMN)S

1.  $\frac{1}{x^2} = x^{-2}$   
 2.  $\frac{d}{dx} x^{-2} = -2x^{-3}$   
 3.  $= -2x^{-3}$   
 4.  $= -\frac{2}{x^3}$   
 5.  $= -\frac{2}{x^3}$

Patent No. 5637538

APPL, CANI: GEDRICH, LISA V

NUMBER OF SPOTLIGHTS: 19

STREET: Four Harborcreek Center, Suite 4400  
City: San Francisco

# US COUNTRY STUDIES

### THEORETICAL DATA:

11.  $\mathbb{A}^1_{\mathbb{A}^1} = \mathbb{A}^1$

KEJISIRALIN NUMBER: 2001

415-781-1989  
TOLL FREE: 1-800-441-1989

# STUDENT CHAKRIS

colloquially: "I'm in the middle of it."

11-104-1-40-1

| Case | Age | Sex | Site   | Pathology      | Survival |
|------|-----|-----|--------|----------------|----------|
| 1    | 65  | M   | Rectum | Adenocarcinoma | 10 years |
| 2    | 72  | F   | Rectum | Adenocarcinoma | 12 years |
| 3    | 68  | M   | Rectum | Adenocarcinoma | 11 years |
| 4    | 70  | F   | Rectum | Adenocarcinoma | 13 years |
| 5    | 66  | M   | Rectum | Adenocarcinoma | 10 years |
| 6    | 71  | F   | Rectum | Adenocarcinoma | 12 years |
| 7    | 69  | M   | Rectum | Adenocarcinoma | 11 years |
| 8    | 73  | F   | Rectum | Adenocarcinoma | 13 years |
| 9    | 67  | M   | Rectum | Adenocarcinoma | 10 years |
| 10   | 74  | F   | Rectum | Adenocarcinoma | 14 years |
| 11   | 64  | M   | Rectum | Adenocarcinoma | 9 years  |
| 12   | 75  | F   | Rectum | Adenocarcinoma | 15 years |
| 13   | 63  | M   | Rectum | Adenocarcinoma | 8 years  |
| 14   | 76  | F   | Rectum | Adenocarcinoma | 16 years |
| 15   | 62  | M   | Rectum | Adenocarcinoma | 7 years  |
| 16   | 77  | F   | Rectum | Adenocarcinoma | 17 years |
| 17   | 61  | M   | Rectum | Adenocarcinoma | 6 years  |
| 18   | 78  | F   | Rectum | Adenocarcinoma | 18 years |
| 19   | 60  | M   | Rectum | Adenocarcinoma | 5 years  |
| 20   | 79  | F   | Rectum | Adenocarcinoma | 19 years |

441 ENNAO110V11E1A15 445

491 *Journal of Management Education* 49(5)





NAME: WILSON, NATHAN L.  
 REFERENCE NUMBER: 20015  
 CURRENT APPLICATOR: JAV 00015  
 CURRENT INVENTOR: NATHAN L. WILSON  
 CLASSIFICATION: 01/00015  
 ADDRESS: 1000 N. 1st St.  
 CITY: TAMPA, FL 33601  
 COUNTRY: USA  
 PHONE: 813-241-1111  
 FAX: 813-241-1111  
 E-MAIL: nath@us09-990-046-2.oligo.rat  
 TITLE: A METHOD FOR THE DETECTION OF THE PRESENCE OF A PATHOGEN  
 IN A SAMPLE  
 ABSTRACT: A method for the detection of the presence of a pathogen in a sample. The method involves the use of a probe that is specific to the pathogen. The probe is hybridized to the sample, and the presence of the pathogen is detected by the hybridization of the probe to the sample.

SOFTWARE: JAV 00015  
 CURRENT APPLICATOR: JAV 00015  
 CURRENT INVENTOR: NATHAN L. WILSON  
 CLASSIFICATION: 01/00015  
 ADDRESS: 1000 N. 1st St.  
 CITY: TAMPA, FL 33601  
 COUNTRY: USA  
 PHONE: 813-241-1111  
 FAX: 813-241-1111  
 E-MAIL: nath@us09-990-046-2.oligo.rat  
 TITLE: A METHOD FOR THE DETECTION OF THE PRESENCE OF A PATHOGEN  
 IN A SAMPLE  
 ABSTRACT: A method for the detection of the presence of a pathogen in a sample. The method involves the use of a probe that is specific to the pathogen. The probe is hybridized to the sample, and the presence of the pathogen is detected by the hybridization of the probe to the sample.



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INDEXED: 11/01/00

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SEARCHED: 11/01/00

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SERIALIZED: 11/01/00

FILED: 11/01/00

SEARCHED: 11/01/00

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SERIALIZED: 11/01/00

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SEARCHED: 11/01/00

INDEXED: 11/01/00

SERIALIZED: 11/01/00

FILED: 11/01/00

RESULT: 15

US: 09-990-046-2

Sequence No. 0027802

CRIMINAL INVESTIGATION

APPLICANT: SCOTT, MAURICE P

APPLICANT: JEROME, LISA V

APPLICANT: JEROME, LISA V

TITLE OF INVENTION: Fugitive Status and Debt Use

NUMBER OF SEQUENCES: 15

ADDRESS: 1101 N. Hollywood, Post, Addition & Herbert

STREET: 1101 N. Hollywood, Post, Addition & Herbert

CITY: San Francisco

STATE: CA

COUNTRY: US

DATE: 04/11

COMPUTER AVAILABLE FROM:

RECORD TYPE: EASY-DISK

COMPUTER: IBM PC Compatable

OPERATING SYSTEM: MS-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.0

CURRENT APPLICATION DATA:

APPLICANT: JEROME, LISA V

FILED: 04/11

CLASSIFICATION:

APPLICANT: JEROME, LISA V

FILED: 04/11

NAME: JEROME, LISA V

APPLICANT: JEROME, LISA V

FILED: 04/11

TELEPHONE: 415-781-1989

TELEPHONE: 415-781-1989

TELEPHONE: 415-781-1989

TELEPHONE: 415-781-1989

TELEPHONE: 415-781-1989

TELEPHONE: 415-781-1989

TELEPHONE: 415-781-1989

Search completed: March 20, 2002, 08:49:27

Job time: 181 sec

US: 09-990-046-2

Sequence No. 0027802

CRIMINAL INVESTIGATION

APPLICANT: SCOTT, MAURICE P

APPLICANT: JEROME, LISA V

APPLICANT: JEROME, LISA V

TITLE OF INVENTION: Fugitive Status and Debt Use

NUMBER OF SEQUENCES: 15

ADDRESS: 1101 N. Hollywood, Post, Addition & Herbert

STREET: 1101 N. Hollywood, Post, Addition & Herbert

CITY: San Francisco

STATE: CA

COUNTRY: US

DATE: 04/11

COMPUTER AVAILABLE FROM:

RECORD TYPE: EASY-DISK

COMPUTER: IBM PC Compatable

OPERATING SYSTEM: MS-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.0

CURRENT APPLICATION DATA:

APPLICANT: JEROME, LISA V

FILED: 04/11

CLASSIFICATION:

APPLICANT: JEROME, LISA V

FILED: 04/11

NAME: JEROME, LISA V

APPLICANT: JEROME, LISA V

FILED: 04/11

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18 Claim 24: Column 49-50; seqs: English.

19 The present sequence represents the mouse patched (pvc) protein. Cells

20 containing and expressing the pvc gene are used for the recombinant

21 production of the protein. These cells are useful: (1) for generating

22 antibodies (Ab) and (2) to screen for specific binding ligands

23 (potential therapeutic agents and agonists). The pvc gene, or its

24 products, are used to isolate related sequences from other mammals to

25 identify homologous (particularly those associated with renal diseases

26 such as spinal fluid and other developmental disorders) to monitor

27 expression levels in tissues for determining relationship with specific

28 production and to isolate or identify related sequences (used to study

29 comparative development, and to provide regulated expression of proteins).

30 The complementary gene can be used in gene therapy, including expression of

31 antisense sequences, and to generate transgenic animals for studies of

32 embryonic development. An alternative transgenic animal for studies of

33 pvc protein in cell surfaces and as a component of inhibitory of signal

34 transduction through the pvc ligand. Cells that have been conditioned to

35 express the pvc protein can be used to promote growth and healing of

36 injured tissue (cell growth of new tooth) and regulation of the pvc

37 protein expression may be useful in cancer treatment (it may control the

38 mtc-1 oncogene).

39 Sequence: 1447 AA;

40 Query Match: 1.28; Score 15; Pos 20; Length 1447;

41 Host Local Similarity: 100.0%; Prod. No. 376-065;

42 Matches: 15; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

43 451 PNAATTCVATPAAAG 465

44 111111111111111

45 101 10041941111114 495

46 RESULT 11

47 AAR67159

48 10 AAR67159 standard; Protein: 1444 AA;

49 AAR67159;

50 11 12 AAR-2001 (1118-01115)

51 11 12 AAR-2001 (1118-01115)

52 Human patched protein

53 10 Human patched protein

54 10 Human patched protein

55 10 Human patched protein

56 10 Human patched protein

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60 10 Human patched protein

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81 binds to a patched protein (pvc) other than that from *Drosophila*. Also

82 given are the protein and coding sequences of patched from the *Drosophila*

83 *melanogaster*, *Drosophila* fruit fly, *Drosophila* and human. Patched is a secret

84 polarity gene involved in limb patterning. The sequences can be

85 used to study development and to isolate the patched ligand. In addition,

86 surfaces or bodies can be used to detect the pvc protein on cell

87 surfaces or to inhibit the transcription of signal by the pvc ligand by

88 competing for its binding site.

89 Sequence: 1447 AA;

90 Query Match: 1.28; Score 15; Pos 20; Length 1447;

91 Host Local Similarity: 100.0%; Prod. No. 376-065;

92 Matches: 15; Conservative: 0; Mismatches: 0; Indels: 0; Gaps: 0;

93 451 PNAATTCVATPAAAG 465

94 111111111111111

95 101 10041941111114 495

96 RESULT 12

97 AAR75475

98 11 AAR75475 standard; Protein: 1447 AA;

99 AAR75475;

100 11 12 AAR-1996 (1118-01115)

101 11 12 AAR-1996 (1118-01115)

102 Human patched protein

103 10 Human patched protein

104 10 Human patched protein

105 10 Human patched protein

106 10 Human patched protein

107 10 Human patched protein

108 10 Human patched protein

109 10 Human patched protein

110 10 Human patched protein

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Search of the database returned 114 records.

